

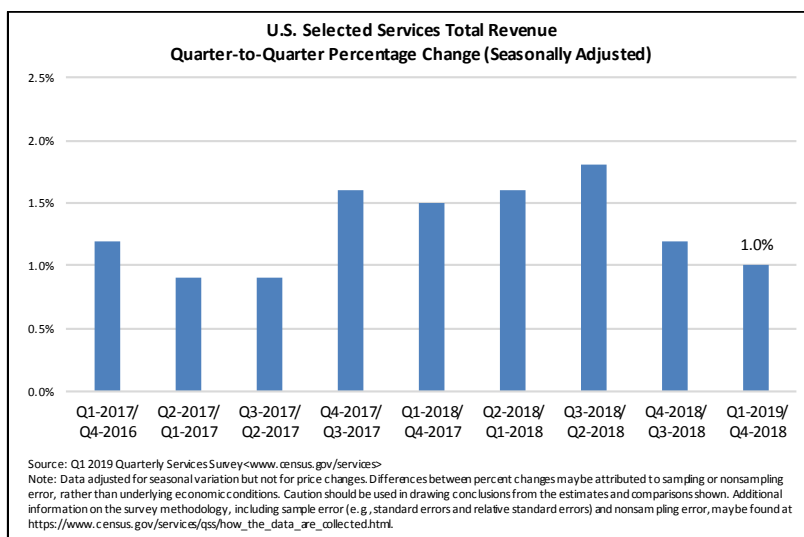
## QUARTERLY SELECTED SERVICES ESTIMATES, FIRST QUARTER 2019

Release Number: CB19-82

**June 6, 2019** — The U.S. Census Bureau announced the following selected services estimates for the first calendar quarter of 2019:

SELECTED SERVICES TOTAL REVENUE		
1Q 2019	\$4,000.3 billion	+1.0 %
4Q 2018	\$3,959.9 billion	+1.2 %
Next release: August 16, 2019		

Data are adjusted for seasonal variation but not for price changes.  
Source: U.S. Census Bureau, Quarterly Services Survey, June 6, 2019



### Selected Services Total

U.S. selected services total revenue for the first quarter of 2019, adjusted for seasonal variation but not for price changes, was \$4,000.3 billion, an increase of 1.0 percent ( $\pm 0.4$  percent) from the fourth quarter of 2018 and up 5.7 percent ( $\pm 0.6$  percent) from the first quarter of 2018. The fourth quarter of 2018 to first quarter of 2019 percentage change was revised from the advance estimate of 0.9 percent ( $\pm 0.4$  percent).

### Utilities

U.S. utilities revenue for the first quarter of 2019, adjusted for seasonal variation but not for price changes, was \$149.1 billion, a decrease of 1.6 percent ( $\pm 0.8$  percent) from the fourth quarter of 2018 and up 1.5 percent ( $\pm 0.8$  percent) from the first quarter of 2018. The third quarter of 2019 to fourth quarter of 2018 percentage change was revised from 1.1 percent ( $\pm 2.3$  percent)\* to 1.3 percent ( $\pm 2.1$  percent)\*.

### Transportation and warehousing

U.S. transportation and warehousing revenue for the first quarter of 2019, adjusted for seasonal variation but not for price changes, was \$249.1 billion, a decrease of 1.1 percent ( $\pm 1.1$  percent)\* from the fourth quarter of 2018 and up 3.8 percent ( $\pm 1.3$  percent) from the first quarter of 2018. The third quarter of 2018 to fourth quarter of 2018 percentage change was not revised from 2.4 percent ( $\pm 0.8$  percent).

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## Information

U.S. information sector revenue for the first quarter of 2019, adjusted for seasonal variation but not for price changes, was \$425.7 billion, an increase of 1.0 percent ( $\pm 0.8$  percent) from the fourth quarter of 2018 and up 6.8 percent ( $\pm 0.8$  percent) from the first quarter of 2018. The third quarter of 2018 to fourth quarter of 2018 percentage change was not revised from 1.2 percent ( $\pm 0.4$  percent).

## Professional, scientific, and technical services

U.S. professional, scientific, and technical services revenue for the first quarter of 2019, adjusted for seasonal variation but not for price changes, was \$496.2 billion, an increase of 0.3 percent ( $\pm 1.1$  percent)\* from the fourth quarter of 2018 and up 4.1 percent ( $\pm 1.9$  percent) from the first quarter of 2018. The third quarter of 2018 to fourth quarter of 2018 percentage change was revised from 0.8 percent ( $\pm 0.6$  percent) to 0.7 percent ( $\pm 0.6$  percent).

## Administrative and support and waste management and remediation services

U.S. administrative and support and waste management and remediation services revenue for the first quarter of 2019, adjusted for seasonal variation but not for price changes, was \$256.2 billion, a decrease of 0.4 percent ( $\pm 1.3$  percent)\* from the fourth quarter of 2018 and up 6.5 percent ( $\pm 2.1$  percent) from the first quarter of 2018. The third quarter of 2018 to fourth quarter of 2018 percentage change was revised from 2.3 percent ( $\pm 1.1$  percent) to 1.9 percent ( $\pm 1.3$  percent).

## Finance and insurance

U.S. finance and insurance revenue for the first quarter of 2019, not adjusted for seasonal variation, or price changes, was \$1,261.5 billion, an increase of 1.4 percent ( $\pm 0.8$  percent) from the fourth quarter of 2018 and up 7.0 percent ( $\pm 1.1$  percent) from the first quarter of 2018. The fourth quarter of 2018 to first quarter of 2019 percentage change was revised from the advance estimate of 1.5 percent ( $\pm 0.8$  percent).

## Real estate and rental and leasing

U.S. real estate and rental and leasing revenue for the first quarter of 2019, not adjusted for seasonal variation, or price changes, was \$169.2 billion, a decrease of 8.3 percent ( $\pm 0.9$  percent) from the fourth quarter of 2018 and up 5.2 percent ( $\pm 1.9$  percent) from the first quarter of 2018. The fourth quarter of 2018 to first quarter of 2019 percentage change was revised from the advance estimate of -8.3 percent ( $\pm 0.8$  percent).

## Educational services

U.S. educational services revenue for the first quarter of 2019, not adjusted for seasonal variation, or price changes, was \$18.2 billion, an increase of 1.0 percent ( $\pm 1.9$  percent)\* from the fourth quarter of 2018 and up 7.3 percent ( $\pm 3.0$  percent) from the first quarter of 2018. The fourth quarter of 2018 to first quarter of

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2019 percentage change was revised from the advance estimate of 0.9 percent ( $\pm 1.5$  percent)\*.

### **Health care and social assistance**

U.S. health care and social assistance revenue for the first quarter of 2019, not adjusted for seasonal variation, or price changes, was \$678.6 billion, an increase of 0.2 percent ( $\pm 0.8$  percent)\* from the fourth quarter of 2018 and up 4.9 percent ( $\pm 0.9$  percent) from the first quarter of 2018. The fourth quarter of 2018 to first quarter of 2019 percentage change was revised from the advance estimate of -0.2 percent ( $\pm 0.8$  percent)\*.

### **Arts, entertainment, and recreation**

U.S. arts, entertainment, and recreation revenue for the first quarter of 2019, not adjusted for seasonal variation, or price changes, was \$65.9 billion, a decrease of 8.2 percent ( $\pm 1.9$  percent) from the fourth quarter of 2018 and up 8.7 percent ( $\pm 3.4$  percent) from the first quarter of 2018. The fourth quarter of 2018 to first quarter of 2019 percentage change was revised from the advance estimate of -6.4 percent ( $\pm 4.5$  percent).

### **Accommodation**

U.S. accommodation revenue for the first quarter of 2019, not adjusted for seasonal variation, or price changes, was \$59.4 billion, a decrease of 0.5 percent ( $\pm 1.9$  percent)\* from the fourth quarter of 2018 and up 3.3 percent ( $\pm 3.0$  percent) from the first quarter of 2018. The fourth quarter of 2018 to first quarter of 2019 percentage change was revised from the advance estimate of -0.1 percent ( $\pm 1.5$  percent)\*.

### **Other services (except public administration)**

U.S. other services (except public administration) revenue for the first quarter of 2019, not adjusted for seasonal variation, or price changes, was \$142.4 billion, a decrease of 3.0 percent ( $\pm 1.3$  percent) from the fourth quarter of 2018 and up 8.7 percent ( $\pm 3.6$  percent) from the first quarter of 2018. The fourth quarter of 2018 to first quarter of 2019 percentage change was not revised from the advance estimate.

## **GENERAL INFORMATION**

### **Intention to Expand Seasonal Adjustment**

Beginning with the March 2020 release for the fourth quarter of 2019, we anticipate the introduction of new seasonally adjusted estimates of revenue for selected industries within NAICS sectors 52, 53, 62, 71, and subsector 561 into the Full Quarterly Services Report. For more information, please visit our seasonal adjustment FAQs: <[https://www.census.gov/services/qss/seasonally\\_adjusted\\_faqs.html](https://www.census.gov/services/qss/seasonally_adjusted_faqs.html)>.

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## Publication of Taxable and Tax-exempt Breakouts

Beginning with the March 2020 release for the fourth quarter of 2019, Table 1b of the full report will include breakouts of taxable vs. tax-exempt revenue for applicable industries. For more information, and to see an example, please view the proposed Table 1b shell:

<https://census.gov/services/qss/tableshell.xls>.

## Upcoming Benchmarking

Effective with the February 2020 advance release for the fourth quarter of 2019, not seasonally adjusted quarterly services estimates will be revised to reflect historical corrections and results of the 2018 Service Annual Survey. In addition, the seasonally adjusted Selected Services Total will be revised to reflect historical corrections, new seasonal factors, and results of the 2018 Service Annual Survey.

## Release Schedule

The second quarter 2019 Advance Quarterly Services Report is scheduled for release on August 16, 2019.

View the full schedule in the Economic Briefing Room: [www.census.gov/economic-indicators/](http://www.census.gov/economic-indicators/).

Additional industry detail and estimates of revenue, expenses, inpatient days, and discharges can be found at [www.census.gov/services/](http://www.census.gov/services/).

## RESOURCES

### API

The Census Bureau's application programming interface lets developers create custom apps to reach new users and makes key demographic, socio-economic and housing statistics more accessible than ever before.

[www.census.gov/developers/](http://www.census.gov/developers/)

### FRED Mobile App



Receive the latest updates on the nation's key economic indicators by downloading the FRED App <https://fred.stlouisfed.org/fred-mobile/> for both Apple and Android devices. FRED, the signature database of the Federal Reserve Bank of St.

Louis, now incorporates the Census Bureau's 13 economic indicators.

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\*The 90 percent confidence interval includes zero. There is insufficient evidence to conclude that the actual change is different from zero.

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Table 1a. Selected Services - Estimated Quarterly Revenue for Employer Firms, Seasonally Adjusted<sup>1</sup>

[Estimates are adjusted for seasonal variation but not for price changes and are based on data from the Quarterly Services Survey. For additional information see [www.census.gov/services](http://www.census.gov/services)]

2012 NAICS code <sup>2</sup>	Kind of business	Total revenue (millions of dollars)						Percent change					
		1Q 2019 (p)	4Q 2018 (r)	3Q 2018 (r)	2Q 2018 (r)	1Q 2018 (r)	4Q 2017 (r)	1Q 2019 from 4Q 2018 (p)	4Q 2018 from 3Q 2018 (r)	3Q 2018 from 2Q 2018 (r)	2Q 2018 from 1Q 2018 (r)	1Q 2019 from 1Q 2018 (p)	4Q 2018 from 4Q 2017 (r)
	<b>Selected Services Total<sup>3</sup></b> .....	<b>4,000,332</b>	<b>3,959,856</b>	<b>3,914,626</b>	<b>3,844,691</b>	<b>3,783,512</b>	<b>3,727,545</b>	<b>1.0</b>	<b>1.2</b>	<b>1.8</b>	<b>1.6</b>	<b>5.7</b>	<b>6.2</b>
<b>22</b>	<b>Utilities<sup>4,5</sup></b> .....	<b>149,067</b>	<b>151,509</b>	<b>149,534</b>	<b>148,995</b>	<b>146,908</b>	<b>145,522</b>	<b>-1.6</b>	<b>1.3</b>	<b>0.4</b>	<b>1.4</b>	<b>1.5</b>	<b>4.1</b>
2211	Electric power generation, transmission and distribution.....	118,527	119,123	119,496	119,094	116,827	116,002	-0.5	-0.3	0.3	1.9	1.5	2.7
2212	Natural gas distribution.....	26,876	28,750	26,212	26,200	26,393	25,941	-6.5	9.7	Z	-0.7	1.8	10.8
2213	Water, sewage and other systems.....	3,664	3,636	3,826	3,701	3,688	3,579	0.8	-5.0	3.4	0.4	-0.7	1.6
<b>48-49</b>	<b>Transportation and warehousing<sup>6</sup></b> .....	<b>249,134</b>	<b>251,865</b>	<b>246,073</b>	<b>244,600</b>	<b>239,995</b>	<b>232,632</b>	<b>-1.1</b>	<b>2.4</b>	<b>0.6</b>	<b>1.9</b>	<b>3.8</b>	<b>8.3</b>
481	Air Transportation.....	56,977	57,049	55,892	55,473	54,765	53,394	-0.1	2.1	0.8	1.3	4.0	6.8
484	Truck Transportation <sup>5</sup> .....	72,958	74,808	74,322	74,075	72,133	68,959	-2.5	0.7	0.3	2.7	1.1	8.5
4841	General freight trucking.....	49,243	50,758	50,212	49,705	48,276	45,542	-3.0	1.1	1.0	3.0	2.0	11.5
4842	Specialized freight trucking.....	23,715	24,050	24,110	S	23,857	23,417	-1.4	-0.2	S	S	-0.6	2.7
485	Transit and ground passenger transportation.....	10,032	9,860	9,873	9,600	9,482	9,561	1.7	-0.1	2.8	1.2	5.8	3.1
487	Scenic and sightseeing transportation.....	926	866	865	833	823	857	6.9	0.1	3.8	1.2	12.5	1.1
492	Couriers and messengers.....	24,738	24,871	24,257	23,905	23,489	22,754	-0.5	2.5	1.5	1.8	5.3	9.3
<b>51</b>	<b>Information</b> .....	<b>425,679</b>	<b>421,540</b>	<b>416,653</b>	<b>408,804</b>	<b>398,416</b>	<b>390,301</b>	<b>1.0</b>	<b>1.2</b>	<b>1.9</b>	<b>2.6</b>	<b>6.8</b>	<b>8.0</b>
511	Publishing industries (except Internet) <sup>5</sup> .....	93,835	88,768	88,709	87,437	85,154	80,240	5.7	0.1	1.5	2.7	10.2	10.6
51111	Newspaper publishers.....	6,137	6,102	6,176	6,200	6,275	6,404	0.6	-1.2	-0.4	-1.2	-2.2	-4.7
51112	Periodical publishers.....	6,636	6,742	6,692	6,698	7,022	7,027	-1.6	0.7	-0.1	-4.6	-5.5	-4.1
5111 pt	Book, directory and mailing list, and other publishers <sup>7</sup> .....	9,816	9,884	10,124	10,201	10,128	10,524	-0.7	-2.4	-0.8	0.7	-3.1	-6.1
5112	Software publishers.....	71,246	66,040	65,717	64,338	61,729	56,285	7.9	0.5	2.1	4.2	15.4	17.3
512	Motion picture and sound recording industries.....	27,150	27,593	28,300	28,664	26,886	25,911	-1.6	-2.5	-1.3	6.6	1.0	6.5
515	Broadcasting (except Internet) <sup>5</sup> .....	42,797	43,500	43,312	42,304	42,164	40,745	-1.6	0.4	2.4	0.3	1.5	6.8
5151	Radio and television broadcasting.....	21,305	21,818	21,585	20,635	20,566	19,495	-2.4	1.1	4.6	0.3	3.6	11.9
5152	Cable and other subscription programming.....	21,492	21,682	21,727	21,669	21,598	21,250	-0.9	-0.2	0.3	0.3	-0.5	2.0
518	Data processing, hosting, and related services.....	49,526	47,801	46,672	45,603	43,082	41,753	3.6	2.4	2.3	5.9	15.0	14.5
<b>54</b>	<b>Professional, scientific, and technical services<sup>8</sup></b> .....	<b>496,247</b>	<b>494,957</b>	<b>491,518</b>	<b>486,307</b>	<b>476,608</b>	<b>469,116</b>	<b>0.3</b>	<b>0.7</b>	<b>1.1</b>	<b>2.0</b>	<b>4.1</b>	<b>5.5</b>
5411	Legal services <sup>8</sup> .....	84,437	82,901	82,972	82,683	78,801	79,521	1.9	-0.1	0.4	4.9	7.2	4.3
5412	Accounting, tax preparation, bookkeeping, and payroll services.....	45,751	45,778	44,974	43,644	44,539	43,634	-0.1	1.8	3.0	-2.0	2.7	4.9
5413	Architectural, engineering, and related	84,891	83,681	84,672	85,079	86,475	81,878	1.4	-1.2	-0.5	-1.6	-1.8	2.2
54133	Engineering services.....	64,739	63,818	65,116	66,184	67,519	63,551	1.4	-2.0	-1.6	-2.0	-4.1	0.4
5416	Management, scientific, and technical consulting services.....	68,973	68,994	68,482	67,305	67,117	66,798	Z	0.7	1.7	0.3	2.8	3.3
5417	Scientific research and development services.....	46,178	44,672	43,833	43,650	41,677	40,823	3.4	1.9	0.4	4.7	10.8	9.4
5418	Advertising, public relations, and related services.....	25,072	26,519	26,386	26,643	25,722	26,217	-5.5	0.5	-1.0	3.6	-2.5	1.2
<b>56</b>	<b>Administrative and support and waste management and remediation services<sup>5</sup></b> .....	<b>256,184</b>	<b>257,255</b>	<b>252,540</b>	<b>245,965</b>	<b>240,661</b>	<b>236,955</b>	<b>-0.4</b>	<b>1.9</b>	<b>2.7</b>	<b>2.2</b>	<b>6.5</b>	<b>8.6</b>
5613	Employment services.....	107,635	107,431	106,042	101,502	96,957	95,189	0.2	1.3	4.5	4.7	11.0	12.9
5615	Travel arrangement and reservation services.....	12,460	12,161	12,625	12,482	12,062	12,019	2.5	-3.7	1.1	3.5	3.3	1.2
561 pt	Other administrative and support services <sup>9</sup> .....	109,676	S	108,417	107,134	106,783	105,305	S	S	1.2	0.3	2.7	S
562	Waste management and remediation services.....	26,413	26,052	25,456	24,847	24,859	24,442	1.4	2.3	2.5	Z	6.3	6.6
<b>622</b>	<b>Hospitals.....</b>	<b>300,633</b>	<b>290,646</b>	<b>293,394</b>	<b>288,550</b>	<b>283,693</b>	<b>285,162</b>	<b>3.4</b>	<b>-0.9</b>	<b>1.7</b>	<b>1.7</b>	<b>6.0</b>	<b>1.9</b>

(p) Preliminary estimate. (r) Revised estimate. Z Absolute value is less than .05.

S Estimate does not meet publication standards because of high variability (coefficient of variation greater than 30%), poor response quality (total quantity response rate is less than 50%) or other concerns about the estimate's quality. Unpublished estimates derived from this table by subtraction are subject to these same limitations and should not be attributed to the U.S. Census Bureau. For a description of publication standards and the total quantity response rate, see [www.census.gov/quality/guidelines/index.html](http://www.census.gov/quality/guidelines/index.html).

(1) The seasonal factors are based on a short time series that may not have stable seasonal patterns. As more estimates are added to the time series, large revisions in seasonal factors and consequently historical estimates may be observed. Data users should exercise caution when drawing inferences based on the seasonally adjusted estimates. Unless otherwise specified, seasonally adjusted estimates are obtained using a direct seasonal adjustment at the published NAICS (North American Industry Classification System) level.

(2) For a full description of the NAICS (North American Industry Classification System) codes used in this table, see the 2012 NAICS manual or [www.census.gov/eos/www/naics/](http://www.census.gov/eos/www/naics/).

(3) Includes NAICS 22 (Utilities), NAICS 48-49 (Transportation and warehousing), NAICS 51 (Information), NAICS 52 (Finance and insurance), NAICS 53 (Real estate and rental and leasing), NAICS 54 (Selected professional, scientific, and technical services), NAICS 56 (Administrative and support and waste management and remediation services), NAICS 61 (Educational services), NAICS 62 (Health care and social assistance), NAICS 71 (Arts, entertainment, and recreation), NAICS 721 (Accommodation), and NAICS 81 (Other services (except public administration)). Excludes government owned utilities, NAICS 482 (Rail transportation), NAICS 491 (Postal Service), NAICS 525 (Funds, trusts, and other financial vehicles), NAICS 54112 (Offices of notaries), NAICS 6111 (Elementary and secondary schools), NAICS 6112 (Junior colleges), NAICS 6113 (Colleges, universities, and professional schools), NAICS 8131 (Religious organizations), NAICS 81393 (Labor unions and similar labor organizations) NAICS 81394 (Political organizations), and and NAICS 814 (Private households).

(4) Excludes government owned utilities.

(5) Seasonally adjusted estimates for these NAICS are obtained indirectly by summing the seasonally adjusted estimates for the detailed NAICS that comprise each respective level.

(6) Excludes NAICS 482 (Rail transportation) and 491 (Postal service).

(7) Includes NAICS 51113 (Book publishers), 51114 (Directory and mailing list publishers), and 51119 (Other publishers).

(8) Excludes NAICS 54112 (Offices of notaries).

(9) Includes NAICS 5611 (Office administrative services), 5612 (Facilities support services), 5614 (Business support services), 5616 (Investigation and security services), 5617 (Services to buildings and dwellings), and 5619 (Other support services).

Note: Estimates cover taxable and tax-exempt firms unless otherwise specified. Additionally, estimates for some sectors and subsectors may include data for kinds of business not shown. Table 2 provides estimated measures of sampling variability. Data users who create their own estimates using data from this report should cite the U.S. Census Bureau as the source of the original data only. Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at [www.census.gov/services/qss/cv.html](http://www.census.gov/services/qss/cv.html).

Table 1b. Selected Services - Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey. For additional information see [www.census.gov/services](http://www.census.gov/services)]

2012 NAICS code <sup>1</sup>	Kind of business	Total revenue (millions of dollars)						Percent change				Year to date		
		1Q 2019 (p)	4Q 2018	3Q 2018	2Q 2018	1Q 2018	4Q 2017	1Q 2019 from 4Q 2018 (p)	4Q 2018 from 3Q 2018	1Q 2019 from 1Q 2018 (p)	4Q 2018 from 4Q 2017	2019 (p)	2018	2019 from 2018 (p)
	<b>Selected Services Total</b> <sup>2</sup> .....	<b>3,940,327</b>	<b>4,007,374</b>	<b>3,922,455</b>	<b>3,848,536</b>	<b>3,726,759</b>	<b>3,772,276</b>	<b>-1.7</b>	<b>2.2</b>	<b>5.7</b>	<b>6.2</b>	<b>3,940,327</b>	<b>3,726,759</b>	<b>5.7</b>
<b>22</b>	<b>Utilities</b> <sup>3</sup> .....	<b>155,367</b>	<b>147,047</b>	<b>159,093</b>	<b>138,056</b>	<b>153,354</b>	<b>140,982</b>	<b>5.7</b>	<b>-7.6</b>	<b>1.3</b>	<b>4.3</b>	<b>155,367</b>	<b>153,354</b>	<b>1.3</b>
2211	Electric power generation, transmission and distribution .....	113,193	111,618	137,062	114,211	111,803	108,810	1.4	-18.6	1.2	2.6	113,193	111,803	1.2
2212	Natural gas distribution .....	38,836	31,884	17,719	20,200	38,191	28,665	21.8	79.9	1.7	11.2	38,836	38,191	1.7
2213	Water, sewage and other systems .....	3,338	3,545	4,312	3,645	3,360	3,507	-5.8	-17.8	-0.7	1.1	3,338	3,360	-0.7
<b>48-49</b>	<b>Transportation and warehousing</b> <sup>4</sup> .....	<b>237,176</b>	<b>253,124</b>	<b>252,225</b>	<b>249,003</b>	<b>228,475</b>	<b>233,795</b>	<b>-6.3</b>	<b>0.4</b>	<b>3.8</b>	<b>8.3</b>	<b>237,176</b>	<b>228,475</b>	<b>3.8</b>
481	Air transportation .....	52,704	56,136	58,407	58,080	50,712	52,326	-6.1	-3.9	3.9	7.3	52,704	50,712	3.9
483	Water transportation .....	10,716	11,323	13,006	11,010	9,829	10,457	-5.4	-12.9	9.0	8.3	10,716	9,829	9.0
4831	Deep sea, coastal, and Great Lakes water transportation.....	8,830	9,196	10,889	8,981	8,108	8,506	-4.0	-15.5	8.9	8.1	8,830	8,108	8.9
4832	Inland water transportation.....	1,886	2,127	2,117	2,029	1,721	1,951	-11.3	0.5	9.6	9.0	1,886	1,721	9.6
484	Truck transportation .....	68,797	74,728	77,050	75,623	68,052	68,881	-7.9	-3.0	1.1	8.5	68,797	68,052	1.1
4841	General freight trucking .....	47,027	51,063	51,518	50,351	46,104	45,815	-7.9	-0.9	2.0	11.5	47,027	46,104	2.0
48412	General freight trucking, long-distance .....	40,000	43,432	43,623	42,234	38,954	38,544	-7.9	-0.4	2.7	12.7	40,000	38,954	2.7
4842	Specialized freight trucking .....	21,770	23,665	25,532	S	21,948	23,066	-8.0	-7.3	-0.8	2.6	21,770	21,948	-0.8
485	Transit and ground passenger transportation .....	10,032	10,225	8,975	10,118	9,501	9,915	-1.9	13.9	5.6	3.1	10,032	9,501	5.6
486	Pipeline transportation .....	13,356	13,779	12,594	11,956	12,612	12,581	-3.1	9.4	5.9	9.5	13,356	12,612	5.9
487	Scenic and sightseeing transportation .....	550	661	1,335	918	485	660	-16.8	-50.5	13.4	0.2	550	485	13.4
488	Support activities for transportation .....	47,457	49,834	48,162	48,809	45,684	45,829	-4.8	3.5	3.9	8.7	47,457	45,684	3.9
492	Couriers and messengers .....	24,243	26,512	23,481	23,546	23,066	24,187	-8.6	12.9	5.1	9.6	24,243	23,066	5.1
493	Warehousing and storage .....	9,321	9,926	9,215	8,943	8,534	8,959	-6.1	7.7	9.2	10.8	9,321	8,534	9.2
<b>51</b>	<b>Information</b> .....	<b>417,165</b>	<b>440,088</b>	<b>409,987</b>	<b>405,125</b>	<b>390,846</b>	<b>407,865</b>	<b>-5.2</b>	<b>7.3</b>	<b>6.7</b>	<b>7.9</b>	<b>417,165</b>	<b>390,846</b>	<b>6.7</b>
511	Publishing industries (except Internet) .....	90,440	95,375	86,034	86,869	81,887	86,073	-5.2	10.9	10.4	10.8	90,440	81,887	10.4
51111	Newspaper publishers .....	5,836	6,596	6,022	6,157	5,961	6,923	-11.5	9.5	-2.1	-4.7	5,836	5,961	-2.1
51112	Periodical publishers .....	6,211	7,120	6,692	6,765	6,559	7,413	-12.8	6.4	-5.3	-4.0	6,211	6,559	-5.3
5111 pt	Book, directory and mailing list, and other publishers <sup>5</sup> .....	8,501	10,072	11,217	10,252	8,811	10,724	-15.6	-10.2	-3.5	-6.1	8,501	8,811	-3.5
5112	Software publishers .....	69,892	71,587	62,103	63,695	60,556	61,013	-2.4	15.3	15.4	17.3	69,892	60,556	15.4
512	Motion picture and sound recording industries .....	26,933	29,111	27,225	28,320	26,752	27,362	-7.5	6.9	0.7	6.4	26,933	26,752	0.7
515	Broadcasting (except Internet) .....	42,007	46,659	41,755	41,582	41,391	43,569	-10.0	11.7	1.5	7.1	42,007	41,391	1.5
5151	Radio and television broadcasting .....	20,794	24,240	20,506	19,913	20,031	21,639	-14.2	18.2	3.8	12.0	20,794	20,031	3.8
5152	Cable and other subscription programming .....	21,213	22,419	21,249	21,669	21,360	21,930	-5.4	5.5	-0.7	2.2	21,213	21,360	-0.7
517	Telecommunications .....	156,309	161,043	157,664	154,001	152,542	157,772	-2.9	2.1	2.5	2.1	156,309	152,542	2.5
5171	Wired telecommunications carriers .....	77,491	79,005	78,127	77,446	77,139	78,559	-1.9	1.1	0.5	0.6	77,491	77,139	0.5
5172	Wireless telecommunications carriers (except satellite) .....	66,454	69,563	67,127	64,740	63,812	67,848	-4.5	3.6	4.1	2.5	66,454	63,812	4.1
517 pt	Other telecommunications <sup>6</sup> .....	12,364	12,475	12,410	11,815	11,591	11,365	-0.9	0.5	6.7	9.8	12,364	11,591	6.7
518	Data processing, hosting, and related services .....	48,684	49,044	46,392	45,466	42,393	42,880	-0.7	5.7	14.8	14.4	48,684	42,393	14.8
519	Other information services.....	52,792	58,856	50,917	48,887	45,881	50,209	-10.3	15.6	15.1	17.2	52,792	45,881	15.1
<b>52</b>	<b>Finance and insurance</b> <sup>7</sup> .....	<b>1,261,479</b>	<b>1,243,557</b>	<b>1,218,868</b>	<b>1,196,631</b>	<b>1,178,832</b>	<b>1,151,697</b>	<b>1.4</b>	<b>2.0</b>	<b>7.0</b>	<b>8.0</b>	<b>1,261,479</b>	<b>1,178,832</b>	<b>7.0</b>
52 pt	Finance and insurance (except monetary authorities-central bank) <sup>8</sup> .....	1,233,606	1,215,814	1,191,029	1,168,446	1,149,480	1,122,532	1.5	2.1	7.3	8.3	1,233,606	1,149,480	7.3
521	Monetary authorities-central bank.....	27,873	27,743	27,839	28,185	29,352	29,165	0.5	-0.3	-5.0	-4.9	27,873	29,352	-5.0
522	Credit intermediation and related activities.....	354,034	351,590	343,718	336,240	323,331	318,791	0.7	2.3	9.5	10.3	354,034	323,331	9.5
5221	Depository credit intermediation.....	161,631	160,625	158,360	154,131	147,088	144,734	0.6	1.4	9.9	11.0	161,631	147,088	9.9
5222	Nondepository credit intermediation.....	166,042	164,084	158,585	155,998	151,472	147,909	1.2	3.5	9.6	10.9	166,042	151,472	9.6
5223	Activities related to credit intermediation.....	26,361	26,881	26,773	26,111	24,771	26,148	-1.9	0.4	6.4	2.8	26,361	24,771	6.4
523	Securities, commodity contracts, and other financial investments and related activities .....	173,058	171,778	169,922	169,499	172,450	162,803	0.7	1.1	0.4	5.5	173,058	172,450	0.4
5231	Securities and commodity contracts intermediation and brokerage .....	80,133	73,887	76,102	76,641	79,320	68,192	8.5	-2.9	1.0	8.4	80,133	79,320	1.0
5232	Securities and commodity exchanges .....	3,147	3,436	2,700	2,946	3,177	2,674	-8.4	27.3	-0.9	28.5	3,147	3,177	-0.9
5239	Other financial investment activities .....	89,778	94,455	91,120	89,912	89,953	91,937	-5.0	3.7	-0.2	2.7	89,778	89,953	-0.2
524	Insurance carriers and related activities .....	706,514	692,446	677,389	662,707	653,699	640,938	2.0	2.2	8.1	8.0	706,514	653,699	8.1
5241	Insurance carriers .....	607,298	594,549	581,417	567,535	559,360	546,845	2.1	2.3	8.6	8.7	607,298	559,360	8.6
5242	Agencies, brokerages, and other insurance related activities .....	99,216	97,897	95,972	95,172	94,339	94,093	1.3	2.0	5.2	4.0	99,216	94,339	5.2
<b>53</b>	<b>Real estate and rental and leasing</b> .....	<b>169,150</b>	<b>184,435</b>	<b>182,400</b>	<b>174,981</b>	<b>160,777</b>	<b>171,861</b>	<b>-8.3</b>	<b>1.1</b>	<b>5.2</b>	<b>7.3</b>	<b>169,150</b>	<b>160,777</b>	<b>5.2</b>
531	Real estate .....	116,678	126,667	125,661	120,522	110,015	117,747	-7.9	0.8	6.1	7.6	116,678	110,015	6.1
5311	Lessors of real estate.....	69,313	71,809	70,652	66,778	65,137	66,899	-3.5	1.6	6.4	7.3	69,313	65,137	6.4
5312	Offices of real estate agents and brokers.....	22,691	28,562	28,866	29,208	22,169	27,414	-20.6	-1.1	2.4	4.2	22,691	22,169	2.4
5313	Activities related to real estate.....	24,674	S	S	24,536	22,709	23,434	S	S	8.7	S	24,674	22,709	8.7
532	Rental and leasing services .....	41,664	45,089	45,266	42,297	39,921	41,569	-7.6	-0.4	4.4	8.5	41,664	39,921	4.4
5321	Automotive equipment rental and leasing .....	15,428	16,676	17,527	15,808	14,645	15,301	-7.5	-4.9	5.3	9.0	15,428	14,645	5.3
53211	Passenger car rental and leasing.....	10,336	11,117	11,928	10,594	9,927	10,273	-7.0	-6.8	4.1	8.2	10,336	9,927	4.1
53212	Truck, utility trailer, and RV (recreational vehicle) rental and leasing .....	5,092	5,559	5,599	5,214	4,718	5,028	-8.4	-0.7	7.9	10.6	5,092	4,718	7.9
5322	Consumer goods rental .....	5,578	5,652	5,753	5,748	5,398	5,442	-1.3	-1.8	3.3	3.9	5,578	5,398	3.3
5323	General rental centers.....	S	S	S	S	S	S	S	S	S	S	S	S	S
5324	Commercial and industrial machinery and equipment rental and leasing .....	20,047	21,959	21,133	19,908	19,276	20,074	-8.7	3.9	4.0	9.4	20,047	19,276	4.0
533	Lessors of nonfinancial intangible assets (except copyrighted works) .....	10,808	12,679	11,473	12,162	10,841	12,545	-14.8	10.5	-0.3	1.1	10,808	10,841	-0.3



Table 1b. Selected Services - Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey. For additional information see [www.census.gov/services](http://www.census.gov/services)]

2012 NAICS code <sup>1</sup>	Kind of business	Total revenue (millions of dollars)						Percent change				Year to date		
		1Q 2019 (p)	4Q 2018	3Q 2018	2Q 2018	1Q 2018	4Q 2017	1Q 2019 from 4Q 2018 (p)	4Q 2018 from 3Q 2018	1Q 2019 from 1Q 2018 (p)	4Q 2018 from 4Q 2017	2019 (p)	2018	2019 from 2018 (p)
<b>54</b>	<b>Professional, scientific, and technical services <sup>9</sup></b>	<b>486,818</b>	<b>504,361</b>	<b>487,094</b>	<b>490,684</b>	<b>467,552</b>	<b>478,029</b>	<b>-3.5</b>	<b>3.5</b>	<b>4.1</b>	<b>5.5</b>	<b>486,818</b>	<b>467,552</b>	<b>4.1</b>
5411	Legal services <sup>9</sup>	75,402	92,932	82,557	81,939	70,369	88,984	-18.9	12.6	7.2	4.4	75,402	70,369	7.2
5412	Accounting, tax preparation, bookkeeping, and payroll services	54,307	39,735	39,757	46,350	52,734	37,831	36.7	-0.1	3.0	5.0	54,307	52,734	3.0
5413	Architectural, engineering, and related services	83,108	83,430	86,365	85,419	84,573	81,796	-0.4	-3.4	-1.7	2.0	83,108	84,573	-1.7
5413 pt	Architectural and related services <sup>10</sup>	19,793	19,484	20,077	19,036	18,674	17,991	1.6	-3.0	6.0	8.3	19,793	18,674	6.0
54133	Engineering services	63,315	63,946	66,288	66,383	65,899	63,805	-1.0	-3.5	-3.9	0.2	63,315	65,899	-3.9
5414	Specialized design services	5,340	5,912	5,922	S	5,184	5,696	-9.7	-0.2	3.0	3.8	5,340	5,184	3.0
5415	Computer systems design and related services	110,205	114,630	110,624	107,836	102,324	103,518	-3.9	3.6	7.7	10.7	110,205	102,324	7.7
5416	Management, scientific, and technical consulting services	67,111	70,581	68,824	67,305	65,305	68,201	-4.9	2.6	2.8	3.5	67,111	65,305	2.8
5417	Scientific research and development services	44,377	46,236	43,658	43,999	40,010	42,293	-4.0	5.9	10.9	9.3	44,377	40,010	10.9
5418	Advertising, public relations, and related services	24,019	27,845	26,149	26,670	24,667	27,423	-13.7	6.5	-2.6	1.5	24,019	24,667	-2.6
5419	Other professional, scientific, and technical services	22,949	S	S	24,971	22,386	22,287	S	S	2.5	S	22,949	22,386	2.5
<b>56</b>	<b>Administrative and support and waste management and remediation services</b>	<b>248,628</b>	<b>260,866</b>	<b>255,436</b>	<b>246,950</b>	<b>233,724</b>	<b>239,738</b>	<b>-4.7</b>	<b>2.1</b>	<b>6.4</b>	<b>8.8</b>	<b>248,628</b>	<b>233,724</b>	<b>6.4</b>
561	Administrative and support services	223,483	234,710	229,242	221,705	210,083	215,247	-4.8	2.4	6.4	9.0	223,483	210,083	6.4
5613	Employment services	106,451	112,265	105,300	98,558	96,181	99,472	-5.2	6.6	10.7	12.9	106,451	96,181	10.7
5615	Travel arrangement and reservation services	11,962	11,504	13,357	12,906	11,604	11,418	4.0	-13.9	3.1	0.8	11,962	11,604	3.1
561 pt	Other administrative and support services <sup>11</sup>	105,070	S	110,585	110,241	102,298	104,357	S	S	2.7	S	105,070	102,298	2.7
562	Waste management and remediation services	25,145	26,156	26,194	25,245	23,641	24,491	-3.9	-0.1	6.4	6.8	25,145	23,641	6.4
<b>61</b>	<b>Educational services <sup>12</sup></b>	<b>18,236</b>	<b>18,061</b>	<b>17,950</b>	<b>18,330</b>	<b>16,992</b>	<b>16,914</b>	<b>1.0</b>	<b>0.6</b>	<b>7.3</b>	<b>6.8</b>	<b>18,236</b>	<b>16,992</b>	<b>7.3</b>
6114	Business schools and computer and management training	3,069	3,109	3,452	3,208	2,986	3,084	-1.3	-9.9	2.8	0.8	3,069	2,986	2.8
6115	Technical and trade schools	4,112	4,026	3,869	3,722	3,765	3,840	2.1	4.1	9.2	4.8	4,112	3,765	9.2
6116	Other schools and instruction	7,381	7,043	6,800	7,025	6,862	6,420	4.8	3.6	7.6	9.7	7,381	6,862	7.6
6117	Educational support services	3,674	3,883	3,829	4,375	3,379	3,570	-5.4	1.4	8.7	8.8	3,674	3,379	8.7
<b>62</b>	<b>Health care and social assistance</b>	<b>678,592</b>	<b>677,469</b>	<b>661,383</b>	<b>661,614</b>	<b>647,088</b>	<b>653,530</b>	<b>0.2</b>	<b>2.4</b>	<b>4.9</b>	<b>3.7</b>	<b>678,592</b>	<b>647,088</b>	<b>4.9</b>
621	Ambulatory health care services	261,325	268,144	261,566	260,545	255,269	256,257	-2.5	2.5	2.4	4.6	261,325	255,269	2.4
6211	Offices of physicians	127,085	133,757	129,087	127,836	125,076	126,951	-5.0	3.6	1.6	5.4	127,085	125,076	1.6
6212	Offices of dentists	S	S	S	32,078	32,718	30,588	S	S	S	S	S	32,718	S
6213	Offices of other health practitioners	21,738	22,355	S	21,474	20,638	21,038	-2.8	S	5.3	6.3	21,738	20,638	5.3
6214	Outpatient care centers	36,523	36,842	34,824	35,568	34,581	34,997	-0.9	5.8	5.6	5.3	36,523	34,581	5.6
6215	Medical and diagnostic laboratories	12,692	12,760	12,717	12,963	12,647	13,036	-0.5	0.3	0.4	-2.1	12,692	12,647	0.4
6216	Home health care services	21,376	21,888	21,621	21,271	20,541	20,563	-2.3	1.2	4.1	6.4	21,376	20,541	4.1
6219	Other ambulatory health care services	9,232	9,296	9,506	9,355	9,068	9,084	-0.7	-2.2	1.8	2.3	9,232	9,068	1.8
622	Hospitals	302,437	291,227	289,286	290,281	285,395	285,732	3.8	0.7	6.0	1.9	302,437	285,395	6.0
6221	General medical and surgical hospitals	281,799	271,246	269,426	270,312	265,734	266,529	3.9	0.7	6.0	1.8	281,799	265,734	6.0
6222	Psychiatric and substance abuse hospitals	7,100	6,820	6,714	6,786	6,874	6,660	4.1	1.6	3.3	2.4	7,100	6,874	3.3
6223	Specialty (except psychiatric and substance abuse) hospitals	13,538	13,161	13,146	13,183	12,787	12,543	2.9	0.1	5.9	4.9	13,538	12,787	5.9
623	Nursing and residential care facilities	65,329	64,691	63,375	62,454	60,435	62,228	1.0	2.1	8.1	4.0	65,329	60,435	8.1
624	Social assistance	49,501	53,407	47,156	48,334	45,989	49,313	-7.3	13.3	7.6	8.3	49,501	45,989	7.6
6241	Individual and family services	26,214	28,051	25,443	25,357	23,902	24,944	-6.5	10.3	9.7	12.5	26,214	23,902	9.7
6242	Community food and housing, and emergency and other relief services	8,150	10,279	7,787	8,433	7,653	9,813	-20.7	32.0	6.5	4.7	8,150	7,653	6.5
6243	Vocational rehabilitation services	3,598	3,726	3,722	3,620	3,440	3,558	-3.4	0.1	4.6	4.7	3,598	3,440	4.6
6244	Child day care services	11,539	11,351	10,204	10,924	10,994	10,998	1.7	11.2	5.0	3.2	11,539	10,994	5.0
<b>71</b>	<b>Arts, entertainment, and recreation</b>	<b>65,904</b>	<b>71,822</b>	<b>74,735</b>	<b>69,412</b>	<b>60,622</b>	<b>67,699</b>	<b>-8.2</b>	<b>-3.9</b>	<b>8.7</b>	<b>6.1</b>	<b>65,904</b>	<b>60,622</b>	<b>8.7</b>
711	Performing arts, spectator sports, and related industries	27,757	35,026	34,363	31,023	24,480	32,475	-20.8	1.9	13.4	7.9	27,757	24,480	13.4
7111	Performing arts companies	4,356	4,847	5,022	4,685	3,969	4,292	-10.1	-3.5	9.8	12.9	4,356	3,969	9.8
7112	Spectator sports	8,767	13,374	12,150	11,489	8,215	12,987	-34.4	10.1	6.7	3.0	8,767	8,215	6.7
7113	Promoters of performing arts, sports, and similar events	6,652	8,023	8,621	7,439	5,869	7,642	-17.1	-6.9	13.3	5.0	6,652	5,869	13.3
7114	Agents and managers for artists, athletes, entertainers, and other public figures	2,579	2,888	2,378	2,315	2,060	2,283	-10.7	21.4	25.2	26.5	2,579	2,060	25.2
7115	Independent artists, writers, and performers	5,403	S	S	5,095	4,367	5,271	S	S	23.7	S	5,403	4,367	23.7
712	Museums, historical sites, and similar institutions	3,762	3,953	4,536	4,229	3,556	4,704	-4.8	-12.9	5.8	-16.0	3,762	3,556	5.8
713	Amusement, gambling, and recreation industries	34,385	32,843	35,836	34,160	32,586	30,520	4.7	-8.4	5.5	7.6	34,385	32,586	5.5
7131	Amusement parks and arcades	4,317	4,923	6,860	5,697	4,081	4,624	-12.3	-28.2	5.8	6.5	4,317	4,081	5.8
7132	Gambling industries	7,944	7,759	7,696	7,699	7,649	7,291	2.4	0.8	3.9	6.4	7,944	7,649	3.9
7139	Other amusement and recreation industries	S	S	S	S	20,856	18,605	S	S	S	S	S	20,856	S
<b>721</b>	<b>Accommodation</b>	<b>59,373</b>	<b>59,694</b>	<b>64,151</b>	<b>64,467</b>	<b>57,484</b>	<b>58,211</b>	<b>-0.5</b>	<b>-6.9</b>	<b>3.3</b>	<b>2.5</b>	<b>59,373</b>	<b>57,484</b>	<b>3.3</b>
7211	Traveler accommodation	57,752	58,158	61,562	62,403	55,961	56,751	-0.7	-5.5	3.2	2.5	57,752	55,961	3.2
7212	RV (recreational vehicle) parks and recreational camps	1,211	1,110	2,122	1,736	1,127	1,058	9.1	-47.7	7.5	4.9	1,211	1,127	7.5
7213	Rooming and boarding houses	410	426	467	328	396	402	-3.8	-8.8	3.5	6.0	410	396	3.5

**Table 1b. Selected Services - Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted**

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey. For additional information see [www.census.gov/services](http://www.census.gov/services)]

2012 NAICS code <sup>1</sup>	Kind of business	Total revenue (millions of dollars)						Percent change				Year to date		
		1Q 2019 (p)	4Q 2018	3Q 2018	2Q 2018	1Q 2018	4Q 2017	1Q 2019 from 4Q 2018 (p)	4Q 2018 from 3Q 2018	1Q 2019 from 1Q 2018 (p)	4Q 2018 from 4Q 2017	2019 (p)	2018	2019 from 2018 (p)
<b>81</b>	<b>Other services (except public administration) <sup>13</sup></b>	<b>142,439</b>	<b>146,850</b>	<b>139,133</b>	<b>133,283</b>	<b>131,013</b>	<b>151,955</b>	<b>-3.0</b>	<b>5.5</b>	<b>8.7</b>	<b>-3.4</b>	<b>142,439</b>	<b>131,013</b>	<b>8.7</b>
811	Repair and maintenance .....	44,985	44,265	45,102	46,508	45,316	45,027	1.6	-1.9	-0.7	-1.7	44,985	45,316	-0.7
8111	Automotive repair and maintenance .....	29,372	28,836	\$	\$	30,652	29,690	1.9	\$	-4.2	-2.9	29,372	30,652	-4.2
8112	Electronic and precision equipment repair and maintenance .....	4,709	4,463	4,497	4,597	4,437	4,248	5.5	-0.8	6.1	5.1	4,709	4,437	6.1
8113	Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance .....	9,080	9,094	9,238	9,618	8,432	9,060	-0.2	-1.6	7.7	0.4	9,080	8,432	7.7
8114	Personal and household goods repair and maintenance .....	\$	1,872	1,951	2,105	1,795	2,029	\$	-4.0	\$	-7.7	\$	1,795	\$
812	Personal and laundry services.....	\$	\$	\$	29,596	27,965	28,541	\$	\$	\$	\$	\$	27,965	\$
8121	Personal care services.....	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
8122	Death care services.....	4,687	4,655	4,567	4,492	4,839	4,724	0.7	1.9	-3.1	-1.5	4,687	4,839	-3.1
8123	Drycleaning and laundry services.....	7,429	7,736	7,582	7,399	7,185	7,069	-4.0	2.0	3.4	9.4	7,429	7,185	3.4
8129	Other personal services.....	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
813	Religious, grantmaking, civic, professional, and similar organizations <sup>14</sup>	67,795	72,044	64,916	57,179	57,732	78,387	-5.9	11.0	17.4	-8.1	67,795	57,732	17.4

(p) Preliminary estimate.

\$ Estimate does not meet publication standards because of high variability (coefficient of variation greater than 30%), poor response quality (total quantity response rate is less than 50%) or other concerns about the estimate's quality. Unpublished estimates derived from this table by subtraction are subject to these same limitations and should not be attributed to the U.S. Census Bureau. For a description of publication standards and the total quantity response rate, see [www.census.gov/quality/guidelines/index.html](http://www.census.gov/quality/guidelines/index.html).

(1) For a full description of the NAICS (North American Industry Classification System) codes used in this table, see the 2012 NAICS manual or [www.census.gov/eos/www/naics/](http://www.census.gov/eos/www/naics/).

(2) Includes NAICS 22 (Utilities), NAICS 48-49 (Transportation and warehousing), NAICS 51 (Information), NAICS 52 (Finance and insurance), NAICS 53 (Real estate and rental and leasing), NAICS 54 (Selected professional, scientific, and technical services), NAICS 56 (Administrative and support and waste management and remediation services), NAICS 61 (Educational services), NAICS 62 (Health care and social assistance), NAICS 71 (Arts, entertainment, and recreation), NAICS 721 (Accommodation), and NAICS 81 (Other services (except public administration)). Exclusions listed in footnotes 3, 4, 7, 9, 12, and 13 also apply to the Selected Services Total.

(3) Excludes government owned utilities.

(4) Excludes NAICS 482 (Rail transportation) and 491 (Postal service).

(5) Includes NAICS 51113 (Book publishers), 51114 (Directory and mailing list publishers), and 51119 (Other publishers).

(6) Includes NAICS 5174 (Satellite telecommunications), and 5179 (Other telecommunications).

(7) Excludes NAICS 525 (Funds, trusts, and other financial vehicles).

(8) Excludes NAICS 521 (Monetary authorities-central bank) and NAICS 525 (Funds, trusts, and other financial vehicles).

(9) Excludes NAICS 54112 (Offices of notaries).

(10) Includes all of NAICS 5413 (Architectural, engineering, and related services) except 54133 (Engineering services).

(11) Includes NAICS 5611 (Office administrative services), 5612 (Facilities support services), 5614 (Business support services), 5616 (Investigation and security services), 5617 (Services to buildings and dwellings), and 5619 (Other support services).

(12) Excludes NAICS 6111 (Elementary and secondary schools), 6112 (Junior colleges), and 6113 (Colleges, universities, and professional schools).

(13) Excludes NAICS 8131 (Religious organizations), 81393 (Labor unions and similar labor organizations), 81394 (Political organizations), and 814 (Private households).

(14) Excludes NAICS 8131 (Religious organizations), 81393 (Labor unions and similar labor organizations), and 81394 (Political organizations).

Note: Estimates cover taxable and tax-exempt firms unless otherwise specified. Additionally, estimates for some sectors and subsectors may include data for kinds of business not shown. Table 2 provides estimated measures of sampling variability. Data users who create their own estimates using data from this report should cite the U.S. Census Bureau as the source of the original data only. Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at [www.census.gov/services/qss/cv.html](http://www.census.gov/services/qss/cv.html). For NAICS 52, estimates may include unrealized gains (losses).



**Table 2. Selected Services - Estimated Measures of Sampling Variability**  
 [Estimates are shown as percents and are based on data from the Quarterly Services Survey]

2012 NAICS code	Kind of business	Coefficient of variation for total revenue						Standard error for percent change				Year to Date		
												Coefficient of variation		Standard error
		1Q 2019 (p)	4Q 2018	3Q 2018	2Q 2018	1Q 2018	4Q 2017	1Q 2019 from 4Q 2018 (p)	4Q 2018 from 3Q 2018	1Q 2019 from 1Q 2018 (p)	4Q 2018 from 4Q 2017	2019 (p)	2018	2019 from 2018 (p)
	<b>Selected Services Total .....</b>	<b>1.0</b>	<b>0.9</b>	<b>0.9</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.2</b>	<b>0.1</b>	<b>0.3</b>	<b>0.2</b>	<b>1.0</b>	<b>0.8</b>	<b>0.3</b>
<b>22</b>	<b>Utilities .....</b>	<b>2.1</b>	<b>2.2</b>	<b>3.1</b>	<b>2.8</b>	<b>1.8</b>	<b>2.5</b>	<b>0.4</b>	<b>1.1</b>	<b>0.4</b>	<b>0.8</b>	<b>2.1</b>	<b>1.8</b>	<b>0.4</b>
2211	Electric power generation, transmission and distribution .....	3.2	3.0	3.6	3.4	2.8	3.2	0.7	1.1	0.5	0.6	3.2	2.8	0.5
2212	Natural gas distribution .....	4.6	5.1	8.0	6.8	4.9	4.8	1.1	6.4	0.6	2.3	4.6	4.9	0.6
2213	Water, sewage and other systems .....	5.7	4.8	5.4	5.2	5.3	4.8	2.3	2.4	1.8	2.4	5.7	5.3	1.8
<b>48-49</b>	<b>Transportation and warehousing .....</b>	<b>1.5</b>	<b>1.4</b>	<b>1.5</b>	<b>1.6</b>	<b>1.9</b>	<b>1.5</b>	<b>0.6</b>	<b>0.4</b>	<b>0.7</b>	<b>0.9</b>	<b>1.5</b>	<b>1.9</b>	<b>0.7</b>
481	Air transportation .....	2.1	2.1	1.8	2.0	1.8	1.7	0.3	0.5	0.4	0.6	2.1	1.8	0.4
483	Water transportation .....	7.6	8.2	8.1	8.4	8.1	7.7	1.2	0.8	0.7	0.9	7.6	8.1	0.7
4831	Deep sea, coastal, and Great Lakes water transportation.....	9.1	10.0	9.4	10.0	9.6	9.3	1.5	0.9	0.7	1.1	9.1	9.6	0.7
4832	Inland water transportation.....	4.0	3.7	4.1	3.6	4.2	3.9	0.4	1.8	0.8	0.5	4.0	4.2	0.8
484	Truck transportation .....	1.5	2.0	2.1	1.9	2.7	2.5	0.7	0.6	1.7	1.4	1.5	2.7	1.7
4841	General freight trucking .....	2.7	3.3	3.2	3.3	4.0	3.5	0.9	1.1	2.5	2.1	2.7	4.0	2.5
48412	General freight trucking, long-distance .....	3.7	4.6	4.3	4.2	4.0	3.8	1.2	1.5	2.5	3.1	3.7	4.0	2.5
4842	Specialized freight trucking .....	1.7	1.9	1.4	S	1.4	1.8	0.6	1.0	1.4	2.0	1.7	1.4	1.4
485	Transit and ground passenger transportation .....	4.8	4.6	5.4	4.5	4.1	2.7	2.2	2.5	1.8	2.6	4.8	4.1	1.8
486	Pipeline transportation .....	1.3	1.1	1.2	1.3	1.4	1.4	0.3	0.3	0.2	0.5	1.3	1.4	0.2
487	Scenic and sightseeing transportation .....	9.5	6.5	7.2	6.6	11.4	4.5	6.7	3.5	8.7	3.1	9.5	11.4	8.7
488	Support activities for transportation .....	3.6	3.5	3.3	3.7	3.8	3.2	1.6	0.5	1.2	2.2	3.6	3.8	1.2
492	Couriers and messengers .....	3.2	3.5	3.6	3.6	3.1	3.5	0.5	0.3	0.5	0.9	3.2	3.1	0.5
493	Warehousing and storage .....	5.1	5.4	4.7	5.7	5.6	5.6	1.4	2.3	2.4	1.8	5.1	5.6	2.4
<b>51</b>	<b>Information .....</b>	<b>1.5</b>	<b>1.4</b>	<b>1.5</b>	<b>1.5</b>	<b>1.5</b>	<b>1.6</b>	<b>0.4</b>	<b>0.2</b>	<b>0.4</b>	<b>0.4</b>	<b>1.5</b>	<b>1.5</b>	<b>0.4</b>
511	Publishing industries (except Internet) .....	3.2	2.7	3.6	3.1	3.0	3.0	1.2	1.2	1.4	1.6	3.2	3.0	1.4
51111	Newspaper publishers .....	5.0	5.0	5.0	4.6	4.5	4.3	0.3	0.6	0.9	1.1	5.0	4.5	0.9
51112	Periodical publishers .....	4.5	4.2	4.9	5.3	5.1	4.9	0.8	2.2	1.6	1.8	4.5	5.1	1.6
5111 pt	Book, directory and mailing list, and other publishers .....	4.0	4.3	3.6	3.7	2.9	4.1	1.5	1.7	1.1	1.0	4.0	2.9	1.1
5112	Software publishers .....	3.6	3.0	4.2	3.6	3.5	3.7	1.7	1.7	1.9	2.4	3.6	3.5	1.9
512	Motion picture and sound recording industries .....	1.5	1.4	1.2	1.1	1.2	1.0	0.9	0.5	0.9	1.1	1.5	1.2	0.9
515	Broadcasting (except Internet) .....	0.8	1.0	1.0	1.0	1.0	1.0	0.2	0.4	0.7	0.4	0.8	1.0	0.7
5151	Radio and television broadcasting .....	1.9	2.1	2.2	1.8	1.7	2.2	0.3	0.8	1.3	0.8	1.9	1.7	1.3
5152	Cable and other subscription programming .....	1.2	1.1	1.2	1.2	1.2	1.1	0.1	0.1	0.1	0.1	1.2	1.2	0.1
517	Telecommunications .....	1.3	1.2	1.2	1.3	1.4	1.4	0.2	0.1	0.5	0.4	1.3	1.4	0.5
5171	Wired telecommunications carriers .....	2.0	1.9	1.9	2.0	2.1	2.1	0.2	0.1	0.6	0.5	2.0	2.1	0.6
5172	Wireless telecommunications carriers (except satellite) .....	2.5	2.2	2.3	2.4	2.4	1.9	0.5	0.2	0.9	1.0	2.5	2.4	0.9
517 pt	Other telecommunications .....	4.2	4.1	4.4	4.2	4.2	3.9	0.3	0.5	0.7	0.7	4.2	4.2	0.7
518	Data processing, hosting, and related services .....	3.4	2.9	3.1	3.1	3.4	3.4	0.6	0.5	0.7	1.4	3.4	3.4	0.7
519	Other information services.....	4.2	4.1	4.3	4.1	4.4	5.2	0.9	0.5	1.0	2.2	4.2	4.4	1.0
<b>52</b>	<b>Finance and insurance .....</b>	<b>2.3</b>	<b>2.1</b>	<b>2.0</b>	<b>2.1</b>	<b>1.9</b>	<b>1.9</b>	<b>0.4</b>	<b>0.4</b>	<b>0.6</b>	<b>0.6</b>	<b>2.3</b>	<b>1.9</b>	<b>0.6</b>
52 pt	Finance and insurance (except monetary authorities-central bank) .....	2.3	2.2	2.1	2.2	1.9	1.9	0.4	0.5	0.7	0.6	2.3	1.9	0.7
521	Monetary authorities-central bank.....	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
522	Credit intermediation and related activities.....	2.5	2.3	2.1	1.9	2.0	2.0	0.6	0.8	0.9	1.0	2.5	2.0	0.9
5221	Depository credit intermediation.....	3.8	3.9	3.4	3.3	3.1	3.4	0.9	1.6	1.3	1.5	3.8	3.1	1.3
5222	Nondepository credit intermediation.....	4.2	3.8	3.7	3.4	3.3	3.1	0.7	1.0	1.6	1.7	4.2	3.3	1.6
5223	Activities related to credit intermediation.....	2.8	2.5	2.9	2.8	2.9	2.7	1.0	0.6	1.7	0.9	2.8	2.9	1.7
523	Securities, commodity contracts, and other financial investments and related activities .....	5.4	4.4	4.7	4.7	4.4	4.0	1.3	1.1	2.1	1.4	5.4	4.4	2.1
5231	Securities and commodity contracts intermediation and brokerage .....	10.7	10.0	10.1	10.2	9.4	9.2	2.9	1.6	3.9	2.5	10.7	9.4	3.9
5232	Securities and commodity exchanges .....	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
5239	Other financial investment activities .....	2.5	3.2	2.0	2.5	3.0	2.9	1.2	2.1	1.7	1.6	2.5	3.0	1.7
524	Insurance carriers and related activities .....	3.0	2.8	2.7	2.6	2.6	2.3	0.5	0.6	0.8	0.9	3.0	2.6	0.8
5241	Insurance carriers .....	3.4	3.3	3.1	3.1	3.0	2.8	0.4	0.7	0.9	1.1	3.4	3.0	0.9
5242	Agencies, brokerages, and other insurance related activities .....	2.8	2.5	2.7	2.7	2.8	2.3	1.1	0.8	0.9	1.0	2.8	2.8	0.9
<b>53</b>	<b>Real estate and rental and leasing .....</b>	<b>1.2</b>	<b>1.3</b>	<b>1.2</b>	<b>1.3</b>	<b>0.9</b>	<b>1.2</b>	<b>0.5</b>	<b>0.6</b>	<b>1.0</b>	<b>1.3</b>	<b>1.2</b>	<b>0.9</b>	<b>1.0</b>
531	Real estate .....	1.0	1.4	1.2	1.4	1.2	1.3	0.7	0.6	1.0	1.1	1.0	1.2	1.0
5311	Lessors of real estate.....	1.6	2.0	1.9	2.0	1.9	2.0	0.8	0.6	1.7	1.8	1.6	1.9	1.7
5312	Offices of real estate agents and brokers.....	2.9	3.7	3.2	3.6	3.0	4.2	1.0	1.5	2.3	2.2	2.9	3.0	2.3
5313	Activities related to real estate.....	2.7	S	S	2.1	2.1	2.7	S	S	2.4	S	2.7	2.1	2.4
532	Rental and leasing services .....	3.1	3.9	3.9	3.3	2.9	3.3	1.4	0.8	1.2	2.7	3.1	2.9	1.2
5321	Automotive equipment rental and leasing .....	1.7	1.8	1.9	2.0	2.1	1.6	0.6	0.6	0.8	0.5	1.7	2.1	0.8
53211	Passenger car rental and leasing.....	3.5	3.4	3.5	3.7	4.0	3.3	0.3	0.6	1.1	0.6	3.5	4.0	1.1
53212	Truck, utility trailer, and RV (recreational vehicle) rental and leasing .....	4.1	4.6	3.8	3.5	4.0	4.3	1.6	1.1	0.6	0.9	4.1	4.0	0.6
5322	Consumer goods rental .....	7.0	6.7	5.9	5.0	8.3	8.4	2.2	2.9	7.0	5.0	7.0	8.3	7.0
5323	General rental centers.....	S	S	S	S	S	S	S	S	S	S	S	S	S
5324	Commercial and industrial machinery and equipment rental and leasing .....	7.2	9.0	9.4	8.2	7.9	8.4	2.7	2.0	2.0	5.2	7.2	7.9	2.0
533	Lessors of nonfinancial intangible assets (except copyrighted works) .....	4.8	5.0	5.4	5.8	5.2	4.6	0.5	0.8	1.5	0.9	4.8	5.2	1.5

**Table 2. Selected Services - Estimated Measures of Sampling Variability**  
 [Estimates are shown as percents and are based on data from the Quarterly Services Survey]

2012 NAICS code	Kind of business	Coefficient of variation for total revenue						Standard error for percent change				Year to Date		
		1Q 2019 (p)	4Q 2018	3Q 2018	2Q 2018	1Q 2018	4Q 2017	1Q 2019 from 4Q 2018 (p)	4Q 2018 from 3Q 2018	1Q 2019 from 1Q 2018 (p)	4Q 2018 from 4Q 2017	Coefficient of variation		Standard error
												2019 (p)	2018	2019 from 2018 (p)
<b>54</b>	<b>Professional, scientific, and technical services .....</b>	<b>2.2</b>	<b>2.3</b>	<b>2.5</b>	<b>2.1</b>	<b>1.7</b>	<b>2.0</b>	<b>0.6</b>	<b>0.3</b>	<b>1.0</b>	<b>0.6</b>	<b>2.2</b>	<b>1.7</b>	<b>1.0</b>
5411	Legal services .....	3.6	4.0	3.9	4.0	3.3	3.9	2.0	1.8	2.1	2.8	3.6	3.3	2.1
5412	Accounting, tax preparation, bookkeeping, and payroll services .....	2.4	3.4	2.2	2.7	1.2	3.1	3.5	1.6	2.5	1.8	2.4	1.2	2.5
5413	Architectural, engineering, and related services .....	3.1	3.6	4.0	3.0	3.1	3.4	1.4	1.5	1.0	1.3	3.1	3.1	1.0
5413 pt	Architectural and related services .....	6.5	6.7	6.2	5.5	4.2	6.4	1.9	3.5	3.5	3.0	6.5	4.2	3.5
54133	Engineering services .....	3.6	3.8	3.9	3.4	3.6	3.4	1.4	1.7	1.0	1.3	3.6	3.6	1.0
5414	Specialized design services.....	5.7	6.1	5.3	5	4.4	8.5	2.9	2.1	4.8	4.7	5.7	4.4	4.8
5415	Computer systems design and related services .....	2.8	3.5	3.2	2.7	1.9	2.1	1.0	0.9	2.0	3.2	2.8	1.9	2.0
5416	Management, scientific, and technical consulting services .....	3.5	3.9	3.8	4.0	4.2	4.3	0.8	0.6	1.9	1.6	3.5	4.2	1.9
5417	Scientific research and development services .....	8.4	8.0	8.9	8.5	8.5	7.7	2.4	1.8	4.2	2.8	8.4	8.5	4.2
5418	Advertising, public relations, and related services .....	2.3	2.3	2.1	2.2	2.1	1.7	1.1	0.9	1.3	1.7	2.3	2.1	1.3
5419	Other professional, scientific, and technical services.....	6.6	5	5	4.5	5.1	4.5	5	5	2.5	5	6.6	5.1	2.5
<b>56</b>	<b>Administrative and support and waste management and remediation services .....</b>	<b>3.2</b>	<b>3.4</b>	<b>3.0</b>	<b>2.6</b>	<b>2.7</b>	<b>2.5</b>	<b>0.7</b>	<b>0.7</b>	<b>1.1</b>	<b>1.5</b>	<b>3.2</b>	<b>2.7</b>	<b>1.1</b>
561	Administrative and support services .....	3.6	3.9	3.4	3.0	2.9	2.7	0.7	0.7	1.2	1.8	3.6	2.9	1.2
5613	Employment services .....	7.2	6.8	6.6	5.6	5.3	4.1	1.1	1.1	2.8	3.2	7.2	5.3	2.8
5615	Travel arrangement and reservation services .....	4.0	3.7	4.0	4.5	5.5	4.4	1.9	1.4	2.6	1.9	4.0	5.5	2.6
561 pt	Other administrative and support services .....	2.5	5	2.9	2.8	2.9	3.1	5	5	1.9	5	2.5	2.9	1.9
562	Waste management and remediation services .....	3.4	3.9	2.1	2.3	2.8	3.5	0.7	2.0	1.3	1.1	3.4	2.8	1.3
<b>61</b>	<b>Educational services .....</b>	<b>3.8</b>	<b>4.5</b>	<b>4.1</b>	<b>3.3</b>	<b>3.3</b>	<b>2.1</b>	<b>1.0</b>	<b>1.7</b>	<b>1.6</b>	<b>3.5</b>	<b>3.8</b>	<b>3.3</b>	<b>1.6</b>
6114	Business schools and computer and management training .....	6.6	7.2	6.9	6.5	7.7	7.0	3.5	3.0	3.7	3.2	6.6	7.7	3.7
6115	Technical and trade schools .....	6.4	6.6	5.5	6.4	6.6	6.4	2.2	3.2	3.2	4.2	6.4	6.6	3.2
6116	Other schools and instruction.....	7.9	8.4	7.9	7.0	7.2	7.6	2.0	2.8	3.4	9.7	7.9	7.2	3.4
6117	Educational support services .....	4.7	4.5	7.2	4.0	3.0	4.7	1.5	3.5	2.7	2.2	4.7	3.0	2.7
<b>62</b>	<b>Health care and social assistance .....</b>	<b>1.7</b>	<b>1.8</b>	<b>1.6</b>	<b>1.7</b>	<b>1.6</b>	<b>1.5</b>	<b>0.4</b>	<b>0.5</b>	<b>0.5</b>	<b>0.7</b>	<b>1.7</b>	<b>1.6</b>	<b>0.5</b>
621	Ambulatory health care services .....	1.8	1.8	1.6	1.7	1.7	1.6	0.7	0.5	1.0	0.9	1.8	1.7	1.0
6211	Offices of physicians.....	3.5	3.2	2.7	2.8	2.7	2.6	1.2	0.9	1.8	1.9	3.5	2.7	1.8
6212	Offices of dentists.....	5	5	5	3.8	4.3	4.1	5	5	5	5	5	4.3	5
6213	Offices of other health practitioners .....	5.2	4.8	5	4.9	3.8	4.2	1.1	5	2.6	1.5	5.2	3.8	2.6
6214	Outpatient care centers .....	2.7	2.8	2.3	2.8	2.7	3.4	0.6	1.0	1.2	1.3	2.7	2.7	1.2
6215	Medical and diagnostic laboratories .....	4.3	4.7	4.4	4.5	4.0	3.7	0.8	0.6	1.0	1.7	4.3	4.0	1.0
6216	Home health care services .....	6.0	5.9	6.2	5.9	6.0	5.6	0.7	0.7	1.5	1.9	6.0	6.0	1.5
6219	Other ambulatory health care services .....	3.8	3.7	4.4	4.2	4.3	3.9	0.5	0.9	1.1	1.3	3.8	4.3	1.1
622	Hospitals .....	2.5	2.7	2.7	2.6	2.7	2.4	0.5	0.5	0.7	0.9	2.5	2.7	0.7
6221	General medical and surgical hospitals.....	2.4	2.7	2.7	2.6	2.7	2.4	0.5	0.5	0.7	0.9	2.4	2.7	0.7
6222	Psychiatric and substance abuse hospitals.....	5.1	5.1	5.1	5.6	5.3	4.9	0.5	0.9	2.5	2.1	5.1	5.3	2.5
6223	Specialty (except psychiatric and substance abuse) hospitals.....	8.4	7.9	7.1	6.8	6.6	7.5	0.7	0.8	1.8	0.7	8.4	6.6	1.8
623	Nursing and residential care facilities .....	2.4	2.5	2.3	2.1	2.4	2.0	0.5	0.8	1.0	1.1	2.4	2.4	1.0
624	Social assistance .....	3.2	3.5	3.0	2.1	2.7	2.3	0.7	1.1	1.0	2.1	3.2	2.7	1.0
6241	Individual and family services.....	5.9	5.7	5.0	4.0	4.8	3.7	0.8	1.1	1.8	2.7	5.9	4.8	1.8
6242	Community food and housing, and emergency and other relief services .....	4.6	6.4	6.1	6.2	4.7	6.2	2.0	2.8	1.4	4.8	4.6	4.7	1.4
6243	Vocational rehabilitation services .....	11.9	12.2	11.2	10.4	10.3	11.5	2.2	1.7	3.2	3.0	11.9	10.3	3.2
6244	Child day care services .....	6.5	6.3	5.3	5.7	6.0	4.8	1.5	2.3	2.7	2.1	6.5	6.0	2.7
<b>71</b>	<b>Arts, entertainment, and recreation.....</b>	<b>2.9</b>	<b>2.5</b>	<b>2.6</b>	<b>2.5</b>	<b>2.9</b>	<b>2.5</b>	<b>1.0</b>	<b>1.5</b>	<b>1.8</b>	<b>1.7</b>	<b>2.9</b>	<b>2.9</b>	<b>1.8</b>
711	Performing arts, spectator sports, and related industries .....	6.6	3.4	2.5	4.5	5.5	2.6	2.7	2.8	1.9	1.9	6.6	5.5	1.9
7111	Performing arts companies.....	4.0	3.1	4.7	3.6	5.4	4.4	2.1	4.2	6.1	5.1	4.0	5.4	6.1
7112	Spectator sports.....	14.2	5.9	3.5	9.3	10.2	3.2	6.7	6.1	6.2	3.5	14.2	10.2	6.2
7113	Promoters of performing arts, sports, and similar events.....	5.7	5.5	4.7	6.8	7.5	5.2	3.3	2.7	3.6	2.4	5.7	7.5	3.6
7114	Agents and managers for artists, athletes, entertainers, and other public figures .....	13.9	10.0	5.2	4.4	9.4	5.5	3.4	7.6	5.2	10.0	13.9	9.4	5.2
7115	Independent artists, writers, and performers.....	10.1	5	5	11.1	8.7	12.5	5	5	10.3	5	10.1	8.7	10.3
712	Museums, historical sites, and similar institutions.....	5.8	5.8	5.9	4.1	6.5	8.7	3.5	4.8	3.6	3.4	5.8	6.5	3.6
713	Amusement, gambling, and recreation industries.....	5.1	4.8	4.7	4.7	5.4	5.1	0.7	1.6	2.3	1.7	5.1	5.4	2.3
7131	Amusement parks and arcades.....	5.2	4.0	6.1	5.9	3.9	2.9	1.3	2.6	1.9	1.5	5.2	3.9	1.9
7132	Gambling industries.....	14.2	13.7	13.9	14.0	15.7	14.6	1.0	0.4	2.6	0.9	14.2	15.7	2.6
7139	Other amusement and recreation industries.....	5	5	5	5	2.5	3.0	5	5	5	5	5	2.5	5
<b>721</b>	<b>Accommodation .....</b>	<b>2.0</b>	<b>1.3</b>	<b>1.2</b>	<b>1.1</b>	<b>1.2</b>	<b>1.4</b>	<b>1.0</b>	<b>0.6</b>	<b>1.6</b>	<b>1.1</b>	<b>2.0</b>	<b>1.2</b>	<b>1.6</b>
7211	Traveler accommodation .....	2.1	1.3	1.3	1.1	1.2	1.5	1.0	0.7	1.6	1.1	2.1	1.2	1.6
7212	RV (recreational vehicle) parks and recreational camps .....	4.1	6.1	6.5	4.6	5.6	5.4	5.2	2.6	5.4	4.8	4.1	5.6	5.4
7213	Rooming and boarding houses .....	5.4	6.7	2.8	5.8	6.6	7.5	5.3	5.3	4.5	2.4	5.4	6.6	4.5

**Table 2. Selected Services - Estimated Measures of Sampling Variability**

[Estimates are shown as percents and are based on data from the Quarterly Services Survey]

2012 NAICS code	Kind of business	Coefficient of variation for total revenue						Standard error for percent change				Year to Date		
												Coefficient of variation		Standard error
		1Q 2019 (p)	4Q 2018	3Q 2018	2Q 2018	1Q 2018	4Q 2017	1Q 2019 from 4Q 2018 (p)	4Q 2018 from 3Q 2018	1Q 2019 from 1Q 2018 (p)	4Q 2018 from 4Q 2017	2019 (p)	2018	2019 from 2018 (p)
<b>81</b>	<b>Other services (except public administration) .....</b>	<b>2.4</b>	<b>2.2</b>	<b>2.0</b>	<b>2.2</b>	<b>3.8</b>	<b>2.1</b>	<b>0.7</b>	<b>1.3</b>	<b>1.9</b>	<b>1.9</b>	<b>2.4</b>	<b>3.8</b>	<b>1.9</b>
811	Repair and maintenance .....	1.8	2.2	2.8	3.7	3.8	3.8	1.1	1.5	2.9	2.3	1.8	3.8	2.9
8111	Automotive repair and maintenance .....	5.2	4.7	S	S	5.8	5.9	1.8	S	4.9	3.4	5.2	5.8	4.9
8112	Electronic and precision equipment repair and maintenance .....	3.7	3.8	3.0	4.2	4.3	3.8	1.4	1.5	1.1	1.5	3.7	4.3	1.1
8113	Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance .....	9.9	10.6	9.5	10.5	9.8	10.3	3.0	1.6	5.1	4.2	9.9	9.8	5.1
8114	Personal and household goods repair and maintenance .....	S	9.5	9.8	9.4	8.2	9.2	S	3.1	S	4.4	S	8.2	S
812	Personal and laundry services.....	S	S	S	3.1	2.5	2.7	S	S	S	S	S	2.5	S
8121	Personal care services.....	S	S	S	S	S	S	S	S	S	S	S	S	S
8122	Death care services.....	5.3	5.9	4.4	4.1	4.8	4.9	4.8	3.5	4.0	3.5	5.3	4.8	4.0
8123	Drycleaning and laundry services.....	5.6	6.5	5.9	6.0	6.0	5.2	1.1	0.8	3.1	3.7	5.6	6.0	3.1
8129	Other personal services.....	S	S	S	S	S	S	S	S	S	S	S	S	S
813	Religious, grantmaking, civic, professional, and similar organizations .....	5.5	4.4	3.8	3.2	7.1	3.7	1.7	3.2	2.4	3.2	5.5	7.1	2.4

(p) Preliminary estimate. Z Absolute value is less than .05.

S Corresponding estimate in Table 1a and/or 1b does not meet publication standards because of high sampling variability, poor response quality or other concerns about the estimate's quality.

Note: Estimated measures of sampling variability are based on data not adjusted for seasonal variation, and should be used when drawing inferences about both adjusted and not adjusted estimates. Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at [www.census.gov/services/qss/cv.html](http://www.census.gov/services/qss/cv.html).

## EXPLANATORY NOTES

### Survey Description

The U.S. Census Bureau conducts the Quarterly Services Survey to provide national estimates of quarterly revenue for employer firms located in the United States and classified in select service industries. The current total sample size is approximately 19,500 employer firms.

Each quarter, questionnaires are mailed to a probability sample of employer firms selected from the larger Service Annual Survey sample. The QSS sample includes firms of all sizes and is updated on a quarterly basis to account for new services businesses, deaths, and other changes to the survey universe. Data for nonresponding firms are imputed based on data for similar-sized firms classified in the same kind of business. The following table lists imputation rates of total quarterly revenue for the industries published in the QSS:

2012 NAICS Code	Kind of Business	Imputation Rate of Total Quarterly Revenue (in %)
	Selected Services Total	28
22	Utilities	8
48-49	Transportation and warehousing	25
51	Information	21
52	Finance and insurance	18
53	Real estate and rental and leasing	42
54	Professional, scientific, and technical services	39
56	Administrative and support and waste management and remediation services	37
61	Educational services	39
62	Health care and social assistance	36
71	Arts, entertainment, and recreation	42
721	Accommodation	31
81	Other services (except public administration)	42

Quarterly revenue estimates are obtained by summing weighted data (either reported or imputed), where the weight for a particular unit is the reciprocal of its probability of being selected into the sample. The estimates are benchmarked using results of the latest SAS. Additional information on the QSS can be found on the Census Bureau website at <[www.census.gov/services/](http://www.census.gov/services/)>.

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## Description of Seasonal Adjustment

To derive the seasonally adjusted revenue estimates published in this report, we used all available quarterly revenue estimates as input to the Census Bureau's X-13 ARIMA-SEATS program. With each non-advance quarterly release, we publish preliminary seasonally adjusted estimates for the current quarter and revised seasonally adjusted estimates for the previous five quarters. The seasonal adjustment models used to derive seasonal factors for each kind of business are evaluated annually and will not be revised until the next benchmarking operation. For a table of the seasonal adjustment factors, see [www.census.gov/services/qss/qssseasfactors.xls](http://www.census.gov/services/qss/qssseasfactors.xls). A list of "Frequently Asked Questions" on seasonal adjustment of QSS estimates is available at [www.census.gov/services/qss/seasonally adjusted faq](http://www.census.gov/services/qss/seasonally_adjusted_faq).

## Reliability of the Estimates

The estimates in this report may differ from the actual, but unknown, population values. For a particular estimate, statisticians define this difference as the total error of the estimate. When describing the accuracy of survey results, it is convenient to discuss total error as the sum of sampling error and nonsampling error. Nonsampling error is the difference between the actual population parameter and the value that would be derived by surveying the entire set of units identified as the survey universe (the sampling frame). There are many potential contributors to nonsampling error – the inclusion of erroneous units in the survey (overcoverage), the exclusion of eligible units from the survey (undercoverage), nonresponse, misreporting, mistakes in recording and coding responses, misinterpretation of questions, and other errors of collection, response, coverage, or processing. Though nonsampling error is not measured directly, the Census Bureau employs quality control procedures throughout the process to minimize this type of error. Sampling error is the average difference between the estimate and the result that would be obtained from a complete enumeration of the sampling frame conducted under the same survey conditions. This error occurs because only a subset of the entire sampling frame is measured in a sample survey. Common measures of sampling error are the sampling variance, the standard error, and the coefficient of variation. The sampling variance is defined as the squared difference, averaged over all possible samples of the same size and design, between the estimator and its average value. The standard error is the square root of the sampling variance. The CV expresses the standard error as a percentage of the estimate to which it refers. For example, an estimate of 200 units that has an estimated standard error of 10 units has an estimated CV of 5 percent. The sampling variance, standard error, and CV of an estimate can be estimated from the selected sample because the sample was selected using probability sampling. Standard errors and coefficients of variation are given in Table 2 of this report.

The first page of this release gives statements about the change in revenue from a prior period. Each change estimate is accompanied by a number in parentheses, called the "margin of error." The margin of

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error can be used to construct a 90-percent confidence interval, which is interpreted as follows. If, for each possible sample, an estimate and its approximate standard error are obtained, then for approximately 90 percent of the possible samples, the interval from 1.895 standard errors below to 1.895 standard errors above the estimate would include the average of the estimates derived from all possible samples. If, for example, a particular change estimate is +1.2 percent and its associated margin of error is  $\pm 1.5$  percentage points, then the 90-percent confidence interval for the change estimate is -0.3 percent to +2.7 percent. If the interval contains 0, then one does not have sufficient evidence to conclude at the 90-percent confidence level that the actual change is different from zero. Each comparison stated in this report has undergone statistical testing and is significant at the 90-percent confidence level, unless otherwise noted. Data users should take into account the estimates of sampling error and the potential effects of nonsampling error when using the statistics in this publication.

Additional information regarding the methodology used in conducting this survey is available at [www.census.gov/services/qss/how\\_the\\_data\\_are\\_collected](http://www.census.gov/services/qss/how_the_data_are_collected).

### Disclosure Limitation

A disclosure of data occurs when an individual can use published statistical information to identify either an individual or firm that has provided information under a pledge of confidentiality. Disclosure limitation is the process used to protect the confidentiality of the survey data provided by an individual or firm. The Census Bureau has reviewed this data product for unauthorized disclosure of confidential information and has approved the disclosure limitation practices applied. (Approval ID: CBDRB-FY-19-281)

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